Claims

1. (Currently amended) A ~~wireless~~ data ~~output~~ communication method, comprising:

connecting a wireless ~~data output~~ communication device to an external interface of a first computing device with a data output service;

installing and executing on the first computing device a computer software application from a memory component of the communication device <u>automatically upon connection of the wireless communication device to the external interface of the first computing device</u>, the computer software application providing access to the data output service of the first computing device for a second computing device via wireless communication;

transmitting by wireless communication data content from a second computing device to the communication device;

passing the data content from the communication device to the first computing device; and

passing the data content from ~~fisrt~~ <u>first</u> computing device to the data output service associated with the first computing device.

2. (Cancelled)

3. (Currently amended) The method of ~~claim 2~~ <u>claim 1</u>, further comprising:

disconnecting the wireless data output communication device from the external interface of the first computing device after passing the data content from computer software application to the data output service; and

automatically uninstalling the computer software application from the first computing device upon disconnection of the communication device from the external interface of the first computing device.

4. (Previously presented) The method of claim 1 in which transmitting the data content to the communication device includes storing the data content in the memory component of the communication device.

5. (Previously presented) The method of claim 4 in which the memory component includes a program memory segment and a file storage segment, the

file storage segment being accessible by the second computing device to store the data content, and the program memory segment storing the computer software application and not being accessible by the second computing device.

6. (Previously presented) The method of claim 1 in which the external interface corresponds to a universal serial bus interface.

7. (Previously presented) The method of claim 1 in which the wireless communication corresponds to a Bluetooth standard of wireless communication.

8. (Currently amended) The method of claim 1 in which the wireless communication does not correspond to a Bluetooth corresponds to a IEEE 802.11 standard of wireless communication.

9. (Previously presented) The method of claim 1 in which the data output service includes printing the data content to one or more selected printers.

10. (Currently amended) The method of claim 1 in which the data output service includes displaying the data content with a selected application resident on the first computing device on a display device.

11. (Currently amended) The method of claim 10 in which the selected application is a presentation application and displaying the data content includes projecting a presentation onto a display screen data output service includes projecting the data content onto a projection screen.

12. (Previously presented) The method of claim 1 in which the device is configured as a dongle.

13. (Currently amended) The method of claim 1 in which the second computing device includes a wireless cellular mobile telephone.

14. (Currently amended) The method of claim 1 in which the second computing device includes a portable computer mobile computing device.

15. (Previously presented) The method of claim 1 in which the second computing device includes a digital camera.

16. (Previously presented) The method of claim 1 in which the computer software application includes a wireless communication stack component.

17. (Previously presented) The method of claim 1 in which the output service includes one or more printers.

18. (Currently amended) The method of claim 1 further comprising selecting one or more ~~printers~~ output devices at the second computing device prior to transmitting by wireless communication computer information from the second computing device to the first computing device.

19. (Currently amended) A ~~wireless~~ data ~~output~~ communication method, comprising:

transmitting by wireless communication data content from a first computing device to a wireless data output communication device;

storing the data content in a memory component of the communication device;

connecting the communication device to an external interface of a second computing device with a data output service;

installing and executing on the second computing device a computer software application from the memory component automatically upon connection of the communication device to the external interface of the second computing device, the computer software application providing access to the data output service of the ~~first~~ second computing device;

passing the data content from the communication device to the computer software application on the second computing device; and

passing the data content from computer software application to the data output service of the second computing device.

20. (Cancelled)

21. (Currently amended) The method of ~~claim 20~~ claim 19, further comprising:

disconnecting the wireless data output communication device from the external interface of the second computing device after passing the data content from computer software application to the data output service; and

automatically uninstalling the computer software application from the second computing device upon disconnection of the communication device from the external interface of the second computing device.

22. (Previously presented) The method of claim 19 in which the computer software application includes a wireless communication stack component.

23. (Previously presented) The method of claim 19 in which the communication device includes a battery operable to power operation of the communication device.

24-38. (Cancelled)

39. (New) The method of claim 1 in which the computer software application is stored in a protected private memory component of the communication device.

40. (New) The method of claim 1 in which the wireless communication correspond to a Zigbee standard of wireless communication.

41. (New) The method of claim 10 in which the data output service includes outputting digital content to a sound output device.

42. (New) The method of claim 1 in which the computer software includes a wireless application software that provides the first computing device with wireless capability to communicate with the second computing device.

43. (New) The method of claim 19 in which the output service includes displaying data content on a display device.

44. (New) The method of claim 19 in which the output service includes outputting digital content to a sound output device.

45. (New) The method of claim 19 in which the data content includes one or more of video data content, sound data content, document data content, and projection data content.

46. (New) The method of claim 19 in which the first computing device is a mobile device.

47. (New) The method of claim 19 in which the second computing device is a mobile device.

48. (New) A wireless data communication method, comprising:

connecting a wireless communication device to an external interface of a first computing device with a data output component;

installing and executing on the first computing device a software application from the memory component, the software application providing access to the data output component of the first computing device;

transmitting by wireless communication data content from a second computing device to the wireless communication device;

storing the data content in a memory component of the communication device;

retrieving the data content from a memory component of the communication device and passing the data content from the communication device to the software application on the first computing device; and

passing the data content from software application to the data output component of the first computing device.

49. (New) The method of claim 48 in which the output component includes a display screen.

50. (New) The method of claim 48 in which the output component includes a projector for projecting data content to a projection screen.

51. (New) The method of claim 48 in which the computer software application is installed and executed automatically upon connection of the communication device to the external interface of the first computing device.

52. (New) The method of claim 48 in which the output component includes a sound output device.

53. (New) The method of claim 48 in which the output component includes a printer.

54. (New) The method of claim 48 in which the data content includes one or more of video data content, sound data content, document data content, and projection data content.

55. (New) A data communication method, comprising:

connecting a data communication device with a memory component to an external interface of a first computing device;

transmitting data content from the first computing device to the data communication device, storing the data content in the memory component of the data communication device, and disconnecting the data communication device from the external interface of the first computing device;

connecting the communication device to an external interface of a second computing device with a data output service, installing and executing on the second computing device a computer software application from a protected private component of the memory component automatically upon connection of the communication device to the external interface of the second computing device, the computer software application providing access to the data output service of the second computing device;

passing the data content from the memory component of the communication device to the computer software application on the second computing device and passing the data content from computer software application to the data output service of the second computing device; and.

disconnecting the communication device from the external interface of the second computing device and automatically uninstalling the software application from the second computing device, including automatically deleting any temporary files used by the software application residing in the computing device.